

WHAT IS CLAIMED IS:

1. A system for producing drinking water comprising:
air-condensing means for generating water by condensing moisture contained in air, the air condensing means being disposed in a first case;
5 a purifying part for filtering off impurities contained in the water generated by the air condensing means, the purifying part being disposed in a second case and connected to the air condensing means through a tube; and
a water supply part for supplying the water purified by the purifying part to a user,
10 wherein the air condensing means and the water supply part are disposed in separated sets disposed at a difference place.
2. The system of claim 1 wherein the air condensing means is disposed at an outdoor place and the water supply part is installed in an indoor place.
3. The system of claim 1 wherein the air condensing means comprises a
15 compressor for vaporizing a refrigerant at a high temperature under a high pressure, a condenser for liquefying the vaporized refrigerant compressed by the compressor, a vaporizer for vaporizing the refrigerant transmitted from the condenser through an expansion tub, and a fan disposed on a rear side of the condenser to intake the air;
a waterspout for collecting the water condensed while passing through the
20 vaporizer is disposed under the vaporizer; and
a water container for storing the water supplied from the waterspout.
4. The system of claim 3 further comprising an air filter disposed in front of the vaporizer to filter off impurities contained in the air.
5. The system of claim 3 further comprising a water level sensor installed in
25 the water container to detect a water level in the water container to control an operation of the air condensing means in accordance with the water level of the water container.
6. The system of claim 1 wherein the purifying part comprises a plurality of filters.
7. The system of claim 6 further comprising a sterilizing lamp for sterilizing
30 microorganisms and bacteria contained in the water is disposed at a downstream end of the purifying part.
8. The system of claim 1 wherein the water supply part comprises a first container for storing the water purified by the purifying part, a second container

connected to the first container through a tube, and a cooling/heating device for cooling or heating the water contained in the first and second container.

9. The system of claim 8 further comprising a water level sensor installed in the first container to uniformly maintain a water level of the first container.

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